

DC-DC Converters Selector Guide

PCB Mount

0.25W to 1W	2W	3W	4W to 5W	6W	8W to 9W	10W to 12W	15W	20W to 25W	30W	40W to 60W	75W to 750W
IK • 0.25 Watt • ±10% Input • Unregulated • SIP4 & DIP8 Packages • 1kV Isolation, 3kV Option	IL • ±10% Input • Unregulated • SIP4 Package • 1kV Isolation • 3kV Isolation Option	ITR03 • ±10% Input • Unregulated • SIP4 Package • 3kV Isolation • 85°C Operating Temp	JCA04 • 2:1 Input • 1" x 0.8" DIP24 Package • 1.5kV Basic Isolation • IEC Safety Approvals • Single & Dual Outputs	ITX • 2:1 Input • 1.5kV Isolation, 3kV Option • IEC Safety Approvals • Single & Dual Outputs	JSE08 • 2:1 Input • SIP8 Package • 1.5kV Isolation • IEC Safety Approvals • Single & Dual Outputs	JCA10 • 2:1 Input • 1" x 0.8" DIP24 Package • 1.5kV Basic Isolation • UL & TUV Approved • Single & Dual Outputs	JCM15 • 2:1 Input • 1" x 1" Package • 1.5kV Basic Isolation • Remote On/Off • Single & Dual Outputs	JCM20 • 2:1 Input • 1" x 1" Package • 1.6kV Isolation • Remote On/Off • Single & Dual Outputs	JCM30 • 2:1 Input • 1" x 1" Package • 1.6kV Isolation • Remote On/Off • Single & Dual Outputs	JCK40 • 2:1 Input • 2" x 1" Package • 1.6kV Isolation • Remote On/Off • Single & Dual Outputs	QSB75-350 • 2:1 & 4:1 Input • ¼ & ½ Brick Packages • 1.5kV Isolation • Remote On/Off • Remote Sense
IE/IEB01 • ±10% Input • Unregulated • SIP4 & DIP8 Packages • 1kV, 1.5kV, 3kV Isolation • Single Outputs	IHL02 • ±10% Input • Unregulated • SIP7 Package • 5.2kV Isolation • Single & Dual Outputs	IR • ±10% Input • Semi-regulated • SIP7 Package • 1kV Isolation, 3kV Option • Single & Dual Outputs	JCD04 • 2:1 Input • DIP24 Package • 1.6kV Isolation, 3.5kV Option • IEC Safety Approvals • Single & Dual Outputs	JCA06 • 2:1 Input • 1" x 0.8" DIP24 Package • 1.5kV Basic Isolation • IEC Safety Approvals • Single & Dual Outputs	JCJ08 • 2:1 Input • DIP24 Package • 1.5kV Isolation • IEC Safety Approvals • Single & Dual Outputs	JSM10 • 2:1 Input • 1" x 1" Package • 1.5kV Isolation • Heatsink Option • Single & Dual Outputs	JCG15 • 2:1 Input • DIP24 Package • 1.6kV Isolation • Remote On/Off • Single & Dual Outputs	JCK20 • 2:1 Input • 2" x 1" Package • 1.6kV Isolation • Remote On/Off • Single & Dual Outputs	JCK30 • 2:1 Input • 2" x 1" Package • 1.6kV Isolation • Remote On/Off • Single & Dual Outputs	JWL40 • 2:1 Input • 2" x 1" Package • 1.5kV Isolation • Heatsink Option • Single & Dual Outputs	QSC150 • 4:1 Input • ¼ Brick Package • 2.25kV Isolation • Remote On/Off • Remote Sense
IA/ITA/ IAB01 • ±10% Input • Unregulated SIP7 • High Operating Temperature • 1kV & 1.5kV Isolation • Dual Outputs	IH • ±10% Input • Unregulated • SIP7 & DIP14 Package • Up to 6kV Isolation • Dual Outputs	IZ/ IZB03 • 2:1 Input • Regulated • SIP8 Package • 1.6kV Isolation, 3kV Option • Single & Dual Outputs	JTC04 • 4:1 Input • DIP24 Package • 1.5kV Isolation, 3.5kV Option • Short Circuit Protection • Single & Dual Outputs	JCE06 • 2:1 Input • DIP24 Package • 1.5kV Isolation, 3kV Option • IEC Safety Approvals • Single & Dual Outputs	JWE08 • 4:1 Input • DIP16 Package • 1.5kV Isolation • Short Circuit Protection • Single & Dual Outputs	JCJ10 • 2:1 Input • DIP24 Package • 1.5kV Isolation • Short Circuit Protection • Single & Dual Outputs	JCK15 • 2:1 Input • 2" x 1" Package • 1.6kV Isolation, 3.5kV Option • Short Circuit Protection • Single & Dual Outputs	JTK20 • 4:1 Input • 1" x 1" Package • 1.6kV Isolation • Remote On/Off • Single & Dual Outputs	JTK30 • 4:1 Input • 1" x 1" Package • 1.6kV Isolation • Remote On/Off • Single & Dual Outputs	JTL40 • 4:1 Input • 2" x 2" Package • 1.6kV Isolation • Remote On/Off • Single & Dual Outputs	QSB400 • 4:1 Input • Full Brick Package • 1.5kV Isolation • Remote On/Off • Remote Sense
(M) IHA01 • ±10% Input • Unregulated • SIP7 Package • 6kV Isolation • Single & Dual Outputs	IU • 2:1 Input • Regulated • SIP8 & DIP16 Package • 1kV Isolation, 3kV Option • Single & Dual Outputs	JCA03 • 2:1 Input • Regulated • 1" x 0.8" DIP24 Package • 1.5kV Basic Isolation • Single & Dual Outputs	IEQ05 • 4:1 Input • SIP8 Package • 1.5kV Isolation • Remote On/Off • Single & Dual Outputs	JCD06 • 2:1 Input • DIP24 Package • 1.6kV Isolation, 3.5kV Option • IEC Safety Approvals • Single & Dual Outputs	JTF08 • 4:1 Input • DIP24 Package • 1.6kV Isolation • Remote On/Off • Single & Dual Outputs	JTR10 • 4:1 Input • DIP16 Package • 1.5kV Isolation • Remote On/Off • Single & Dual Outputs	JTK15 • 4:1 Input • 1" x 1" Package • 1.6kV Isolation • Remote On/Off • Single & Dual Outputs	JTD20 • 4:1 Input • 1.6" x 1" Package • 3kV Isolation • Remote On/Off • Single, Dual & Triple O/P	JTL30 • 4:1 Input • 2" x 1" Package • 1.6kV Isolation • Remote On/Off • Remote On/Off	JCK50 • 2:1 Input • 2" x 1" Package • 1.5kV Isolation • Heatsink Option • Remote On/Off	QSB600 • 2:1 Input • Full Brick Package • 1.5kV Isolation • Remote On/Off • Remote Sense
ITV/IV/ IVB01 • ±10% Input • Unregulated • SIP7 & DIP14 Packages • Up to 6kV Isolation • Single & Dual Outputs	IEU02 • 2:1 Input • Regulated • SIP7 Package • 1.5kV Isolation • Single & Dual Outputs	JCE03 • 2:1 Input • Regulated • DIP24 Package • 1.5kV Isolation, 3kV Option • IEC Safety Approvals • Single & Dual Outputs	JCD05 • 2:1 Input • DIP24 Package • 1.6kV Isolation, 3.5kV Option • IEC Safety Approvals • Single & Dual Outputs	ITQ • 4:1 Input • SIP8 Package • 1.5kV Isolation, 3kV Option • IEC Safety Approvals • Single & Dual Outputs	ICZ09 • 2:1 Input • SIP8 Package • 1.5kV Isolation • Remote On/Off • Single & Dual Outputs	JWK10 • 4:1 Input • 1" x 1" Package • 1.5kV Isolation • Heatsink Option • Single & Dual Outputs	JTF15 • 4:1 Input • DIP24 Package • 1.5kV Isolation • Remote On/Off • Single & Dual Outputs	JSM25 • 2:1 Input • 1" x 1" Package • 1.5kV Isolation • Heatsink Option • Single & Dual Outputs	JWL50 • 4:1 Input • 2" x 1" Package • 1.5kV Isolation • Heatsink Option • Remote On/Off	QHL75 • 180 - 450VDC Input • ¼ Brick Package • 3kVAC Isolation • Remote On/Off • Remote Sense	
IF • ±10% Input • Regulated • SIP7 & DIP14 Package • 1kV Isolation • 3kV Isolation Option	JCA02 • 2:1 Input • Regulated • 1" x 0.8" DIP24 Package • 1.5kV Basic Isolation • Single & Dual Outputs	ITP03 • 4:1 Input • Regulated • SIP6 Package • 1.6kV Isolation • Single & Dual Outputs		JWE06 • 4:1 Input • SIP8 Package • 1.5kV Isolation • Remote On/Off • Single & Dual Outputs	ITZ • 4:1 Input • SIP8 Package • 1.6kV Isolation • Remote On/Off • Single & Dual Outputs	JTF10/12 • 4:1 Input • DIP24 Package • 1.6kV Isolation • Remote On/Off • Single & Dual Outputs	JTD15 • 4:1 Input • DIP24 Package • 1.6kV Isolation • Remote On/Off • Single & Dual Outputs	JWK25 • 4:1 Input • 1.6" x 1" Package • 3kV Isolation • Remote On/Off • Single & Dual Outputs	JCK60 • 2:1 Input • 2" x 2" Package • 1.6kV Isolation • Short Circuit Protection • Remote On/Off	QHL150/300 • 180 - 425VDC Input • ¼ & ½ Brick Packages • 3kVAC Isolation • Remote On/Off • Remote Sense	
ITW/IW • 2:1 Input • Regulated • SIP & DIP Package • Up to 3kV Isolation • Single & Dual Outputs	IM • 4:1 Input • Regulated • SIP9 Package • 1.5kV Isolation • Single & Dual Outputs	ITU03 • 4:1 Input • Regulated • DIP8 Package • 1.6kV Isolation • Single & Dual Outputs		JTE06 • 4:1 Input • DIP24 Package • 1.5kV Isolation, 3kV Option • IEC Safety Approvals • Single & Dual Outputs		JCG12 • 2:1 Input • DIP24 Package • 1.6kV Isolation • Remote On/Off • Single & Dual Outputs			JTL60 • 4:1 Input • 2" x 2" Package • 1.6kV Isolation • Remote On/Off • Single & Dual Outputs	QHL600 • 180 - 425VDC Input • Full Brick Package • 3kVAC Isolation • Remote On/Off • Current Share	QHL750 • 200 - 400VDC Input • Full Brick Package • 3kVAC Isolation • Remote On/Off • Current Share
		JTE03 • 4:1 Input • Regulated • DIP8 Package • 1.5kV Isolation, 3kV Option • Single & Dual Outputs									

DC-DC Converters Selector Guide

SMD

1W	2W	3W to 6W
IES01  • ±10% Input • Unregulated • SMD8 Package • 1.5kV Isolation, 3kV Option • Industry Standard Pinout	IES02  • ±10% Input • Unregulated • SMD8 Package • 1.5kV Isolation, 3kV Option • Industry Standard Pinout	ISU03  • 4:1 Input • Regulated • SMD14 Package • 1.5kV Isolation • Single & Dual Outputs
IAS01  • ±10% Input • Unregulated • SMD10 Package • 1.5kV Isolation, 3kV Option • Dual Outputs	ISM02  • ±10% Input • Unregulated • SMD16 Package • 4kVAC Isolation • 1 x MOPP at 300VAC	ISC03  • 4:1 Input • Regulated • SMD16 Package • 1.5kV Isolation • Single & Dual Outputs
ISM01  • ±10% Input • Unregulated • SMD14 Package • 4kVAC Isolation • 2 x MOPP at 250VAC	ISV02  • 4:1 Input • Regulated • SMD14 Package • 3kV Isolation • Single & Dual Outputs	ISX06  • 4:1 Input • Regulated • SMD16 Package • 1.5kV Isolation • Single & Dual Outputs
ISB01  • 2:1 Input • Regulated • SMD14 Package • 1.5kV Isolation • Single & Dual Outputs	ISU02  • 4:1 Input • Regulated • SMD14 Package • 1.5kV Isolation • Single & Dual Outputs	

Medical

1W to 2W	3W to 20W
ISM01  • ±10% Input • Unregulated • SMD14 Package • 4kVAC Isolation • 2 x MOPP at 250VAC	JHL03  • 10 - 17VDC Input • 20 - 30VDC Input • DIP24 Package • 4kVAC Isolation • 2 x MOPP at 250VAC
IMA01  • ±10% Input • Unregulated • SIP7 Package • 4kVAC Isolation • 1 x MOPP at 250VAC	JMR03  • 4:1 Input Range • Regulated • DIP16 Package • 5kVAC Isolation • 2 x MOPP at 250VAC
IMB01  • ±10% Input • Unregulated • SIP7 Package • 4kVAC Isolation • 1 x MOPP at 300VAC	IMM05  • 2:1 Input • Regulated • SIP9 Package • 1.5kVAC Isolation • 1 x MOPP at 250VAC
IMM01  • 2:1 Input • Regulated • SIP7 Package • 1.5kVAC Isolation • 1 x MOPP at 250VAC	JHL06  • 10 - 17VDC Input • 20 - 30VDC Input • DIP24 Package • 4kVAC Isolation • 2 x MOPP at 250VAC
ISM02  • ±10% Input • Unregulated • SMD16 Package • 4kVAC Isolation • 1 x MOPP at 300VAC	JHM10  • 2:1 Input • Regulated • DIP24 Package • 4kVAC Isolation • 2 x MOPP at 250VAC
IML02  • ±10% Input • Unregulated • SIP7 Package • 4kVAC Isolation • 1 x MOPP at 300VAC	JHM15  • 2:1 Input • Regulated • 1.6" x 1" Package • 4kVAC Isolation • 2 x MOPP at 250VAC
IMM02  • 2:1 Input • Regulated • SIP8 Package • 1.5kVAC Isolation • 1 x MOPP at 250VAC	JHM20  • 2:1 Input • Regulated • 2" x 1" Package • 4kVAC Isolation • 2 x MOPP at 250VAC

Non-Isolated Switching Regulators

0.5 Amps	1 to 2 Amps
SVR05  • 0.5A Regulator • Input Range up to 36VDC • Remote On/Off • SMD10 Package • ±10% Output Trim	SVR10  • 1.0A Regulator • Input Range up to 36VDC • Remote On/Off • SMD10 Package • ±10% Output Trim
STH05  • 0.5A Regulator • Input Range up to 72VDC • Low Profile • SMD10 Package • ±10% Output Trim	STS10  • 0.5A Regulator • Input Range up to 72VDC • Low Profile • SMD10 Package • ±10% Output Trim
VR05  • 0.5A Regulator • Input Range up to 36VDC • High Efficiency • SIP3 Package • Short Circuit Protection	VR10  • 1.0A Regulator • Input Range up to 36VDC • High Efficiency • SIP3 Package • Short Circuit Protection
SRH05  • 0.5A Regulator • Input Range up to 72VDC • SIP3 package • Short Circuit Protection	VR20  • 2.0A Regulator • Input Range up to 36VDC • High Efficiency • SIP3 Package • Short Circuit Protection

Chassis/DIN Rail Mount

6W to 20W	30W to 60W
DTE06  • 4:1 Input • DIN Rail Option • 3kVDC Isolation • Remote On/Off • Single & Dual Outputs	DDC30  • 4:1 Input • Low Profile Design • 1.5kVDC Isolation • Remote On/Off • UL508 Approved
DTE10  • 4:1 Input • DIN Rail Option • 3kVDC Isolation • Remote On/Off • Single & Dual Outputs	DDC40  • 3:1 Input • Low Profile Design • 1.5kVDC Isolation • Remote On/Off • UL508 Approved
DTJ15  • 4:1 Input • 3kVDC Isolation • IIE Safety Approvals • ±10% Output Trim • Single & Dual Outputs	DTE40  • 4:1 Input • DIN Rail Option • 2.5kVDC Isolation • Remote On/Off • IIE Safety Approvals
DDC15  • 4:1 Input • Low Profile Design • 1.5kVDC Isolation • IIE Safety Approvals • UL508 Approved	DTE60  • 4:1 Input • DIN Rail Option • 2.5kVDC Isolation • Remote On/Off • IIE Safety Approvals
DTJ20  • 4:1 Input • 3kVDC Isolation • IIE Safety Approvals • ±10% Output Trim • Single & Dual Outputs	DTE20  • 4:1 Input • DIN Rail Option • 2.5kVDC Isolation • Remote On/Off • IIE Safety Approvals
RDF25  • 10:1, 16 - 160VDC • 2" x 1" Package • 3kVDC Isolation • EN50155 Compliant • Remote On/Off	RDC40  • 3:1, 36 - 140VDC Input • 3:1, 55 - 176VDC Input • 2" x 1.6" Package • EN50155 Compliant • Single & Dual Outputs
RDF200  • 12:1, 16 - 160VDC • ½ Brick Package • 3kVAC Isolation • EN50155 Compliant • Remote On/Off	RDF200  • 12:1, 16 - 160VDC • ½ Brick Package • 3kVAC Isolation • EN50155 Compliant • Remote On/Off
RDF50  • 12:1, 14 - 160VDC Input • ¼ Brick Package • 3kVDC Isolation • EN50155 Compliant • Baseplate-cooled • Remote Sense	RDH300/600  • 4:1, 43 - 160VDC Input • ½ Full Brick Packages • 3kVDC Isolation • EN50155 Compliant • Remote On/Off • Remote Sense

Railway & Renewable Energy

3W to 50W	75W to 600W
RDE03  • 4:1, 9 - 36VDC Input • 4:1, 18 - 75VDC Input • 3:1, 66 - 160VDC Input • ¼ Brick Package • EN50155 Compliant • Remote On/Off	RCQ75  • 2:1, 43 - 101VDC Input • 4:1, 18 - 75VDC Input • ¼ Brick Package • EN50155 Compliant • Remote On/Off
RDD08  • 5:1, 13 - 70VDC Input • 4:1, 42 - 176VDC Input • 3:1, 55 - 176VDC Input • ¼ Brick Package • EN50155 Compliant • Remote On/Off	RDE75  • 8:1, 9 - 75VDC Input • ¼ Brick Package • EN50155 Compliant • Remote On/Off • Remote Sense
RDC20/30  • 3:1, 36 - 140VDC Input • 3:1, 55 - 176VDC Input • 2" x 1" Package • 3kVAC Isolation • EN50155 Compliant • Remote On/Off	RDF150  • 12:1, 14 - 160VDC • ½ Brick Package • 3kVAC Isolation • EN50155 Compliant • Remote On/Off
RDE20  • 5:1, 13 - 70VDC Input • 4:1, 42 - 176VDC Input • 1" x 1" Package • EN50155 Compliant • Remote On/Off • Remote Sense	RDQ150  • 3:1, 36 - 140VDC Input • 3:1, 55 - 176VDC Input • 2" x 1" Package • 3kVAC Isolation • EN50155 Compliant • Remote On/Off
RDF25  • 10:1, 16 - 160VDC • 2" x 1" Package • 3kVDC Isolation • EN50155 Compliant • Remote On/Off	QSC150  • 4:1, 9 - 36VDC Input • 4:1, 18 - 75VDC Input • 4:1, 43 - 160VDC Input • ¼ Brick Package • EN50155 Compliant
RDF40  • 3:1, 36 - 140VDC Input • 3:1, 55 - 176VDC Input • 2" x 1.6" Package • EN50155 Compliant • Single & Dual Outputs	RDF200  • 12:1, 16 - 160VDC • ½ Brick Package • 3kVAC Isolation • EN50155 Compliant • Remote On/Off
RDF50  • 12:1, 14 - 160VDC Input • ¼ Brick Package • 3kVDC Isolation • EN50155 Compliant • Remote On/Off • Remote Sense	RDH300/600  • 4:1, 43 - 160VDC Input • ½ Full Brick Packages • 3kVDC Isolation • EN50155 Compliant • Remote On/Off • Remote Sense

Medical version available

For full specifications visit: www.xppower.com

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